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are data recovery points in the series of data units that are classified independently from the random access point and are located closer together in the series of data units than the independent data units, wherein the remotely predicted units are classified based on a user adjustable input parameter, and wherein the remotely predicted units are classified based on a user definable relationship between type of media content and spacing of the remotely predicted units in independent segments;

wherein each of the data units classified as an independent data unit is designated to be encoded using only information from the data unit;

wherein each of the data units classified as a predicted unit is designated to be predicted from an adjacent data unit in the series; and

wherein each of the data units classified as a remotely predicted unit is designated to be predicted from a remote, non adjacent data unit in the series, which is either another remotely predicted unit or an independent data unit.